

Please type a plus sign (+) inside this box → ☐

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 6

Complete if Known

Application Number 09/811,869
Filing Date 03/19/01
First Named Inventor Affinito et al.
Group Art Unit 1762
Examiner Name IC 1700
Attorney Docket Number BAT 0018 IA

RECEIVED
JUN 19 2001
IC 1700

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
B		3,475,307		Knox et al.	10/28/1969	
		3,607,365		Lindlof	09/21/1971	
		4,098,965		Kinsman	07/04/1978	
		4,283,482		Hattori et al.	08/11/1981	
		4,581,337		Frey et al.	04/08/1986	
		4,624,867		Iijima et al.	11/25/1986	
		4,695,618		Mowrer	09/22/1987	
		4,842,893		Vializis et al.	06/27/1989	
		4,954,371		Vializis	09/04/1990	
		5,032,461		Shaw et al.	07/16/1991	
		5,237,439		Misono et al.	08/17/1993	
		5,260,095		Affinito	11/09/1993	
		5,354,497		Fukuchi et al.	10/11/1994	
		5,395,644		Affinito	03/07/1995	
		5,427,638		Goetz et al.	06/27/1995	
		5,440,446		Shaw et al.	08/08/1995	
		5,536,323		Kirlin et al.	07/16/1996	
		5,547,508		Affinito	08/20/1996	
		5,554,220		Forrest et al.	09/10/1996	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
B			EP 0 299 753		The BOC Group, Inc.	01/18/1989		
			EP 0 340 935		Spectrum Control, Inc.	11/08/1989		
			EP 0 390 540		Sharp Kabushiki Kaisha	10/03/1990		
			EP 0 547 550		Matsushita Electric Ind Co.	06/23/1993		
			EP 0 590 467		Robm GmbH	04/06/1994		
			EP 0 722 787		Catalina Coatings, Inc.	07/24/1996		
			EP 0 787 826		Becton Dickinson and Co	08/06/1997		
			EP 0 916 394		Sharp Kabushiki Kaisha	05/19/1999		
			EP 0 931 850		Leybold Systems GmbH	07/28/1999		
			EP 0 977 469		Hewlett-Packard Company	02/02/2000		

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with every communication to applicant.

Print name of person completing this form in the space below. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

OIP
JUN 18 2007
PATENT & TRADEMARK OFFICE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 6

Complete if Known

Application Number 09/811,869
Filing Date 03/19/01
First Named Inventor Affinito et al.
Group Art Unit 1762
Examiner Name 1700
Attorney Docket Number BAT 0018 IA

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. 1	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,576,101		Saitoh et al.	11/19/1996	
		5,607,789		Treger et al.	03/04/1997	
		5,620,524		Fan et al.	04/15/1997	
		5,629,389		Roitman et al.	05/13/1997	
		5,654,084		Egert	08/05/1997	
		5,665,280		Tropsha	09/09/1997	
		5,681,615		Affinito et al.	10/28/1997	
		5,681,666		Treger et al.	10/28/1997	
		5,684,084		Lewin et al.	11/04/1997	
		5,686,360		Harvey, III et al.	11/11/1997	
		5,693,956		Shi et al.	12/02/1997	
		5,711,816		Kirlin et al.	01/27/1998	
		5,725,909		Shaw et al.	03/10/1998	
		5,731,661		So et al.	03/24/1998	
		5,747,182		Friend et al.	05/05/1998	
		5,757,126		Harvey, III et al.	05/26/1998	
		5,759,329		Krause et al.	06/02/1998	
		5,792,550		Phillips et al.	08/11/1998	
		5,811,177		Shi et al.	09/22/1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. 1	Foreign Patent Document Office ³	Number ⁴	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
			WO 87 07848		Spectrum Control, Inc.	12/30/1987		
			WO 95 10117		Catalina Coatings, Inc.	04/13/1995		
			WO 97 04885		Battelle Memorial Institute	02/13/1997		
			WO 97 22631		Talison Research	06/26/1997		
			WO 98 10116		Talison Research	02/12/1998		
			WO 98 18852		Catalina Coatings, Inc.	05/07/1998		
			WO 99 16557		Battelle Memorial Institute	04/08/1999		
			WO 99 16931		Battelle Memorial Institute	04/08/1999		
			DE 19603746		Bosch GmbH Robert	04/24/1997		
			JP 09059763		Matsushita Electric Works	03/04/1997		

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with examination report to applicant.

Do not send fees or completed forms to this address. Send to: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO SB 08A (08-00)
Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

OIP E-10133
JUN 18 2001
PATENT & TRADEMARK OFFICE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **3** of **6**

Complete if Known

Application Number **09/811,869**
Filing Date **03/19/01**
First Named Inventor **Affinito et al.**
Group Art Unit **1762**
Examiner Name
Attorney Docket Number **BAT 0018**

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,811,183		Shaw et al.	09/22/1998	
		5,821,692		Rogers et al.	10/13/1998	
		5,844,363		Gu et al.	12/01/1998	
		5,872,355		Hueschen	02/16/1999	
		5,902,641		Affinito et al.	05/11/1999	
		5,902,688		Antoniadis et al.	05/11/1999	
		5,904,958		Dick et al.	05/18/1999	
		5,912,069		Yializis et al.	06/15/1999	
		5,919,328		Tropsha et al.	07/06/1999	
		5,922,161		Wu et al.	07/13/1999	
		5,945,174		Shaw et al.	08/31/1999	
		5,948,552		Antoniadis et al.	09/07/1999	
		5,955,161		Tropsha	09/21/1999	
		5,965,907		Huang et al.	10/12/1999	
		5,968,620		Harvey et al.	10/19/1999	
		5,996,498		Lewis	12/07/1999	
		6,013,337		Knors	01/11/2000	
		6,045,864		Lyons et al.	04/04/2000	
		6,083,628		Yializis	07/04/2000	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
			JP 08325713		Matsushita Electric Works	12/10/1996		
			JP 63136316		Hitachi Ltd.	06/08/1988		
			JP 64-18441		Yoshida et al.	01/23/1989		
			JP 2-183230		Akagi et al.	07/17/1990		
			BE 704 297		Continental Oil Company	02/01/1968		

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

+

Complete if Known

Application Number	09/811 869
Filing Date	03/19/01
First Named Inventor	Affinito e
Group Art Unit	1762
Examiner Name	

Sheet	4	of	6	Attorney Docket Number	BAT 0018 IA
-------	---	----	---	------------------------	-------------

[illegible][illegible]Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Approved for use through 10/31/2002 OMB 0551-0031
U. S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B:PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

5

of

6

Complete if Known

Application Number

09/811/8

Filing Date

03/19/01

First Named Inventor

Affinito

Group Art Unit

1762

Examiner Name

BAT 0018 1A

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T ²
M		AFFINITO, J.D., ET AL., "Vacuum Deposition of Polymer Electrolytes on Flexible Substrates," "Proceedings of the Ninth International Conference on Vacuum Web Coating," November 1995 ed R. Bakish, Bakish Press 1995, pg. 20-36	
		VOSSSEN, J.L., ET AL., THIN FILM PROCESSES, Academic Press, 1978, Part II, Chapter 11-1, Glow Discharge Sputter Deposition, p. 12-63; Part IV, Chapter IV-1, Plasma Deposition of Inorganic Compounds and Chapter IV-2 Glow Discharge Polymerization, p. 335-397	
		PENNING, F.M., ELECTRICAL DISCHARGES IN GASES, Gordon and Breach Science Publishers, 1965, Chapters 5-6, p. 19-35, and Chapter 8, p. 41-50	
		AFFINITO, J.D., ET AL., "High Rate Vacuum Deposition of Polymer Electrolytes," Journal Vacuum Science Technology A 14(3), May/June 1996 <i>no page numbers</i>	
		INOUE ET AL., FABRICATION OF A THIN FILM OF MNA BY VAPOUR DEPOSITION, Proc. Jpn. Congr. Mater. Res., vol. 33, pg. 177-9, 1990	
		AFFINITO, J.D. ET AL., "PML/Oxide/PML Barrier Layer Performance Differences Arising From Use of UV or Electron Beam Polymerization of the PML Layers," Thin Solid Films, Elsevier Science S.A., Vol. 308-309, October 31, 1997, pgs. 19-25	
		GUSTAFSSON, G. ET AL., "Flexible light-emitting diodes made from soluble conducting polymers," Nature, Vol. 357, 11 June 1992, pgs. 447-479	
		AFFINITO, J.D. ET AL., "Polymer-Oxide Transparent Barrier Layers," SVC 39th Annual Technical Conference, Vacuum Web Coating Session, 1996, pgs. 392-397	
		AFFINITO, J.D. ET AL., "PML/Oxide/PML Barrier Layer Performance Differences Arising From Use of UV or Electron Beam Polymerization of the PML Layers," SVC 40th Annual Technical Conference, 1997, pgs. 19-25	
		WONG, C.P., "Recent Advances in IC Passivation and Encapsulation: Process Techniques and Materials," Polymers for Electronic and Photonic Applications, AT&T Bell Laboratories, 1993, pgs. 167-209	
M		DE GRUYSE, R. ET AL., "SPUTTERED TRANSPARENT BARRIER LAYERS, pgs. 190-198 <i>no data available</i>	

Examiner
Signature

Date
Considered

Please type a plus sign (+) inside this box →

PTO/SB:08B (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U. S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 14498/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 6 of 6

Complete if Known

Application Number	09/811,869
Filing Date	03/19/01
First Named Inventor	Affinito et al.
Group Art Unit	1762
Examiner Name	
Attorney Docket Number	BAT 0018 IA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

4

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

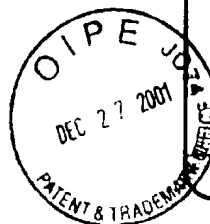
Complete if Known

Application Number	09 811,869
Filing Date	March 19, 2001
First Named Inventor	John D. Affinito
Group Art Unit	1762
Examiner Name	
Attorney Docket Number	BAT 0018 IA

(use as many sheets as necessary)

Sheet	1	of	
-------	---	----	--

Attorney Docket Number	BAT 00181A
------------------------	------------

[illegible][illegible]

Date	
Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609 Draw line through citation if not in conformance and not

THE UNIVERSITY OF CHICAGO LIBRARY
1207 EAST 58TH STREET
CHICAGO, ILL. 60637

Please type a plus sign (+) inside this box →

PTO SB 08B (08-00)

Approved for use through 1C:31.2002 OMB 0551-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	2	of	2
-------	---	----	---

Complete if Known

Application Number	09 811,869
Filing Date	March 19, 2001
First Named Inventor	John D. Affinito
Group Art Unit	1762
Examiner Name	
Attorney Docket Number	BAT 0018 1A

PIPE JCT 475
DEC 27 2001
PATENT & TRADEMARK OFFICE

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

[illegible]

RECEIVED
DEC 28 2001
TC 1700

Examiner
Signature

Date
Considered

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 105–112

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
is a collection of information unless it contains a valid OMB control number.

OIPE
 JAN 28 200

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1

Complete if Known

Application Number	09/811,869
Filing Date	March 19, 2001
First Named Inventor	John D. Affinito
Group Art Unit	1762
Examiner Name	
Attorney Docket Number	BAT 00181A

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Signature _____

*EXAMINER Initial reference considered whether applicant is a conformer with the ECHR. If not, then the application is not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST-3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent; e.g., "Kinki 4-10-897," where the appropriate symbols are indicated on the document under WIPO Standard ST-16 (http://www.wipo.int/patstd/st-16/st-16_a.html).

NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES

IT AVAILABLE COPY



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08B (10-01)
Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE



Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09 811,869		
		Filing Date	March 19, 2001		
		First Named Inventor	John D. Affinito		
		Group Art Unit	1762		
		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	BAT 0018 IA

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		SHI, M.K., et al., Plasma treatment of PET and acrylic coating surfaces-I. In situ XPS measurements, Journal of Adhesion Science and Technology, March 2000, 14(12), pgs. 1-28	
		SHI, M.K., et al., In situ and real-time monitoring of plasma-induced etching PET and acrylic films, Plasmas and Polymers, Dec. 1999, 4(4), pgs. 1-25	
		AFFINITO, J.D., et al., Vacuum Deposited Conductive Polymer Films, The Eleventh International Conference on Vacuum Web Coating, no earlier than Feb. 1998, pgs. 200-213	
		MAHON, J.K., et al., Requirements of Flexible Substrates for Organic Light Emitting Devices in Flat Panel Display Applications, Society of Vacuum Coaters, 42nd Annual Technical Conference Proceedings, 1999, pgs. 456-459	

RECEIVED

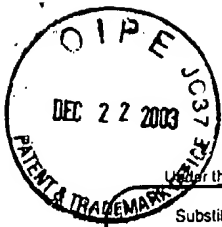
APR 02 2002

TC 1700

COPY OF PAPERS
ORIGINAL FILED

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 1409. Draw line through citation not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete If Known

Application Number	09/811,869
Filing Date	March 19, 2001
First Named Inventor	John D. Affinito
Art Unit	1762
Examiner Name	
Attorney Docket Number	BAT 0018 IA/31089.83

Sheet	1	of	1
-------	---	----	---

U. S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
[Signature]		US- 2002/0125822 A1	09/12/2002	Graff et al.	[Signature]
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code ² Number ³ Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
[Signature]		WO 01/81649 A1	11/01/2001	Battelle Memorial Institute	[Signature]	
		WO 01/82389 A1	11/01/2001	Battelle Memorial Institute		
		WO 00/36665	06/22/2000	Battelle Memorial Institute		
		WO 01/82336 A2	11/01/2001	Battelle Memorial Institute		
		WO 01/89006 A1	11/22/2001	Battelle Memorial Institute		

Examiner Signature	[Signature]	Date Considered	[Signature]
-----------------------	-------------	--------------------	-------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.